

Application/Control Number: 09/491,577

Art Unit: 1646

**EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas Haas on 2/16/2003.

The application has been amended as follows:

**In the claims:**

01 Cancel claims 11-26.

4  
30. (Amended) An isolated host cell comprising the nucleic acid molecule of claim <sup>1</sup>27 or

02 28.  
5  
31. (Amended) The isolated host cell of claim <sup>4</sup>30, wherein the host cell is a prokaryotic host cell or a eukaryotic host cell.

03 7  
33. (Amended) An isolated host cell comprising the vector of claim <sup>6</sup>32.

8 7  
34. (Amended) The isolated host cell of claim <sup>7</sup>33, wherein the host cell is a prokaryotic host cell or a eukaryotic host cell.

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04 10  
36. (Amended) An isolated nucleic acid molecule encoding the amino acid sequence of  
SEQ ID NO: [31] 32.

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05 11  
43. (Twice Amended) An isolated nucleic acid molecule that hybridizes to [a nucleic acid  
molecule encoded by] the nucleotide sequence of SEQ ID NO: 31 under the following  
conditions: 7% SDS, 0.5 M sodium phosphate buffer at pH 7.2, 1 nM EDTA, pH 8.0 and 55° C,  
wherein the nucleic acid molecule encodes an amino acid sequence which causes the firing of an  
olfactory neuron when stimulated.

12  
44. (Twice Amended) An isolated nucleic acid molecule that hybridizes to [a nucleic acid  
molecule encoded by] the nucleotide sequence of SEQ ID NO: 31 under the following  
conditions: 7% SDS, 0.5 M sodium phosphate buffer at pH 7.2, 1 nM EDTA, pH 8.0 and 65° C,  
wherein the nucleic acid molecule encodes an amino acid sequence which causes the firing of an  
olfactory neuron when stimulated.

13  
45. (Amended) An isolated nucleic acid molecule encoding a fragment of at least 25  
consecutive amino acids of SEQ ID NO: [31] 32, wherein the fragment has odorant receptor  
activity, or is capable of generating an antibody which binds SEQ ID NO: 32.

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***Advisory Information***


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph F. Murphy whose telephone number is 703-305-7245. The examiner can normally be reached on M-F 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler can be reached on 703-308-6564. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-3014 for regular communications and 703-308-0294 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0196.



Joseph F. Murphy, Ph. D.  
Patent Examiner  
Art Unit 1646  
April 16, 2003



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